

# Worksheet #22:

## Interaction between finish and actors

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Name: \_\_\_\_\_

Netid: \_\_\_\_\_

What would happen if the end-finish operation from slide 14 was moved from line 13 to line 11 as shown below?

```
1. finish(() -> {
2.     int numThreads = 4;
3.     int numberOfHops = 10;
4.     ThreadRingActor[] ring = new ThreadRingActor[numThreads];
5.     for(int i=numThreads-1;i>=0; i--) {
6.         ring[i] = new ThreadRingActor(i);
7.         ring[i].start();
8.         if (i < numThreads - 1) {
9.             ring[i].nextActor(ring[i + 1]);
10.        } }
11. }); // finish
12. ring[numThreads-1].nextActor(ring[0]);
13. ring[0].send(numberOfHops);
```

